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08/22/01

PATENT ATTORNEYS AND ATTORNEYS AT LAW

2445 Hollywood Boulevard
Hollywood, Florida 33020
Tel: (954) 925-1100
Fax: (954) 925-1101

Herbert L. Lerner (NY Bar)
Laurence A. Greenberg (FL Bar)

Werner H. Stemer (FL Bar), Senior Attorney

Ralph E. Locher (FL, IL, MO Bars)
Manfred Beck (US & German Pat. Agent)
Mark P. Weichselbaum (TN Bar)
Gregory L. Mayback (FL Bar)
Markus Nolff (FL Bar)
Loren Donald Pearson (FL Bar)
Otto S. Kauder (Reg. Pat. Agent)
Denise A. Lettau (DC Bar)

PATENTUSASM
www.patentusa.com
patents@patentusa.com

Mailing Address:
Post Office Box 2480
Hollywood, FL 33022-2480

New York Office
153 E 57th Street
Suite 15G
New York, NY 10022

"Express Mail" mailing label number EL758655598US

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Docket No.: L&L-10051

Michael Burns
MICHAEL BURNS

Date: August 22, 2001

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Enclosed herewith are the necessary papers for filing the following application for Letters Patent:

Applicant : WOLFGANG ECKER ET AL.

Title : METHOD, COMPUTER PROGRAM PRODUCT, PROGRAMMED DATA MEDIUM, AND COMPUTER SYSTEM FOR REVISING A COMPUTER PROGRAM WRITTEN IN A PROGRAMMING LANGUAGE

2 sheetS of formal drawings in triplicate.

The payment in the amount of \$ 1,790.00 covering the filing fee.

This application is being filed without a signed oath or declaration under the provisions of 37 CFR 1.53(f). Applicants await notification of the date by which the oath or declaration and the surcharge are due, pursuant to this rule.

The Patent and Trademark Office is hereby given authority to charge Deposit Account No. 12-1099 of Lerner and Greenberg, P.A. for any fees due or deficiencies of payments made for any purpose during the pendency of the above-identified application.

Respectfully submitted,

~~For Applicants~~
LAG:vs

1. $\frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{2} m \frac{d}{dt} (v^2) = \frac{1}{2} m \frac{d}{dt} (v_x^2 + v_y^2 + v_z^2)$
 $= \frac{1}{2} m \left(2 v_x \frac{d v_x}{dt} + 2 v_y \frac{d v_y}{dt} + 2 v_z \frac{d v_z}{dt} \right) = m \left(v_x \frac{d v_x}{dt} + v_y \frac{d v_y}{dt} + v_z \frac{d v_z}{dt} \right)$
 $= m \left(v_x \frac{d}{dt} \left(\frac{1}{m} \frac{d p_x}{dt} \right) + v_y \frac{d}{dt} \left(\frac{1}{m} \frac{d p_y}{dt} \right) + v_z \frac{d}{dt} \left(\frac{1}{m} \frac{d p_z}{dt} \right) \right)$
 $= \frac{1}{m} \left(v_x \frac{d p_x}{dt} + v_y \frac{d p_y}{dt} + v_z \frac{d p_z}{dt} \right)$
 $= \frac{1}{m} \left(v_x \frac{d}{dt} (m v_x) + v_y \frac{d}{dt} (m v_y) + v_z \frac{d}{dt} (m v_z) \right)$
 $= \frac{1}{m} \left(m v_x \frac{d v_x}{dt} + m v_y \frac{d v_y}{dt} + m v_z \frac{d v_z}{dt} \right) = \frac{1}{m} \left(m v_x \frac{d v_x}{dt} + m v_y \frac{d v_y}{dt} + m v_z \frac{d v_z}{dt} \right)$
 $= v_x \frac{d v_x}{dt} + v_y \frac{d v_y}{dt} + v_z \frac{d v_z}{dt} = \frac{d}{dt} \left(\frac{1}{2} v_x^2 + \frac{1}{2} v_y^2 + \frac{1}{2} v_z^2 \right) = \frac{d}{dt} \left(\frac{1}{2} v^2 \right)$
 $= \frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{d}{dt} \left(\frac{1}{2} m v^2 \right)$